

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/642,284B
Source: JFW16
Date Processed by STIC: 11/16/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/642,284B

DATE: 11/16/2006

TIME: 11:43:30

Input Set : A:\2006-11-13 4600-0106P.ST251.txt
 Output Set: N:\CRF4\11162006\J642284B.raw

3 <110> APPLICANT: KUMAGAI, Izumi et al.
 5 <120> TITLE OF INVENTION: NOVEL DIABODY-TYPE BISPECIFIC ANTIBODY
 7 <130> FILE REFERENCE: 4600-0106P
 9 <140> CURRENT APPLICATION NUMBER: US 10/642,284B
 10 <141> CURRENT FILING DATE: 2003-08-18
 12 <150> PRIOR APPLICATION NUMBER: JP 2003-038643
 13 <151> PRIOR FILING DATE: 2003-02-17
 15 <160> NUMBER OF SEQ ID NOS: 46
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 33
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: A NcoI-5H back primer
 27 <220> FEATURE:
 28 <221> NAME/KEY: misc_feature
 29 <222> LOCATION: (1)..(3)
 30 <223> OTHER INFORMATION: n is a, c, g, or t
 32 <400> SEQUENCE: 1
W--> 33 nnncatggc ccaggtccag ctgcagcagt ctg 33
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 28
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: B 5H-EagI forward primer
 44 <220> FEATURE:
 45 <221> NAME/KEY: misc_feature
 46 <222> LOCATION: (1)..(3)
 47 <223> OTHER INFORMATION: n is a, c, g, or t
 49 <400> SEQUENCE: 2
W--> 50 nnncggccga ggagactgtg agagtggt 28
 53 <210> SEQ ID NO: 3
 54 <211> LENGTH: 26
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: C EcoRV-5L back primer
 61 <220> FEATURE:
 62 <221> NAME/KEY: misc_feature
 63 <222> LOCATION: (1)..(3)
 64 <223> OTHER INFORMATION: n is a, c, g, or t

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66 <400> SEQUENCE: 3
W--> 67 nnngatatacc taatgaccca atctcc 26
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 29
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: D 5L-SacII forward primer
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (1)..(3)
81 <223> OTHER INFORMATION: n is a, c, g, or t
83 <400> SEQUENCE: 4
W--> 84 nnncggcggc acgtttgatt tccagcttg 29
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 32
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: E NcoI-h5H back primer
95 <220> FEATURE:
96 <221> NAME/KEY: misc_feature
97 <222> LOCATION: (1)..(3)
98 <223> OTHER INFORMATION: n is a, c, g, or t
100 <400> SEQUENCE: 5
W--> 101 nnncatggc ccaggtgcaa ctggttcaga gc 32
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 29
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: F h5H-EagI forward primer
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: (1)..(3)
115 <223> OTHER INFORMATION: n is a, c, g, or t
117 <400> SEQUENCE: 6
W--> 118 nnncggccga gctcacggta accagcgta 29
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 23
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: G EcoRV-hOL back primer
129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (1)..(3)
132 <223> OTHER INFORMATION: n is a, c, g, or t
134 <400> SEQUENCE: 7

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W--> 135 nnngatatcc agatgaccca gag      23
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139 <211> LENGTH: 23
140 <212> TYPE: DNA
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143 <220> FEATURE:
144 <223> OTHER INFORMATION: H hOL-SacII forward primer
146 <220> FEATURE:
147 <221> NAME/KEY: misc_feature
148 <222> LOCATION: (1)..(3)
149 <223> OTHER INFORMATION: n is a, c, g, or t
151 <400> SEQUENCE: 8
W--> 152 nnncgcggc gcgggtatac tgc      23
155 <210> SEQ ID NO: 9
156 <211> LENGTH: 26
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: I NcoI-hOH back primer
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <222> LOCATION: (1)..(3)
166 <223> OTHER INFORMATION: n is a, c, g, or t
169 <400> SEQUENCE: 9
W--> 170 nnncatggc ccaggtgcaa ctggtg      26
173 <210> SEQ ID NO: 10
174 <211> LENGTH: 23
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: J hOH-EagI forward primer
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <222> LOCATION: (1)..(3)
184 <223> OTHER INFORMATION: n is a, c, g, or t
186 <400> SEQUENCE: 10
W--> 187 nnncggccga gctaacggtc acc      23
190 <210> SEQ ID NO: 11
191 <211> LENGTH: 26
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: K EcoRV-h5L back primer
198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <222> LOCATION: (1)..(3)
201 <223> OTHER INFORMATION: n is a, c, g, or t
203 <400> SEQUENCE: 11
W--> 204 nnngatatcg tgatgaccca gagccc      26

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Input Set : A:\2006-11-13 4600-0106P.ST251.txt
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207 <210> SEQ ID NO: 12
208 <211> LENGTH: 36
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: L h5L-SacII forward primer
215 <220> FEATURE:
216 <221> NAME/KEY: misc_feature
217 <222> LOCATION: (1)..(3)
218 <223> OTHER INFORMATION: n is a, c, g, or t
220 <400> SEQUENCE: 12
W--> 221 nnncgcggc gcgttaatt tccactttgg tgccac 36
224 <210> SEQ ID NO: 13
225 <211> LENGTH: 27
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Synthesized nucleotide M h5H-M48I(+)
232 <400> SEQUENCE: 13
233 gcctggaatg gattggtaac atttatac 27
236 <210> SEQ ID NO: 14
237 <211> LENGTH: 27
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Synthesized nucleotide N h5H-M48I(-)
244 <400> SEQUENCE: 14
245 gataaatgtt accaatccat tccaggc 27
248 <210> SEQ ID NO: 15
249 <211> LENGTH: 21
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Synthesized nucleotide O h5H-A93T(+)
256 <400> SEQUENCE: 15
257 tattactgca cgcgcatgtgg c 21
260 <210> SEQ ID NO: 16
261 <211> LENGTH: 21
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Synthesized nucleotide P h5H-A93T(-)
268 <400> SEQUENCE: 16
269 gccactgcgc gtgcagtaat a 21
272 <210> SEQ ID NO: 17
273 <211> LENGTH: 38
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:

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Input Set : A:\2006-11-13 4600-0106P.ST251.txt
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278 <223> OTHER INFORMATION: Synthesized nucleotide Q h5H-R66KR71V(+)
280 <400> SEQUENCE: 17
281 atttaagaac aaagtgcacca tgacggttga taccagca 38
284 <210> SEQ ID NO: 18
285 <211> LENGTH: 38
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Synthesized nucleotide R h5H-R66KR71V(-)
292 <400> SEQUENCE: 18
293 tgctggtatac aaccgtcatg gtcactttgt tcttaaat 38
296 <210> SEQ ID NO: 19
297 <211> LENGTH: 21
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Synthesized nucleotide S h5H-Y27D(+)
304 <400> SEQUENCE: 19
305 gcctcaggcg atacctttac g 21
308 <210> SEQ ID NO: 20
309 <211> LENGTH: 21
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Synthesized nucleotide T h5H-Y27D(-)
316 <400> SEQUENCE: 20
317 cgtaaaggta tcgcctgagg c 21
320 <210> SEQ ID NO: 21
321 <211> LENGTH: 35
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Synthesized nucleotide U h5H-M69LT73R(+)
328 <400> SEQUENCE: 21
329 caaaagtgacc ctgacggttg atcgcagcat ttcga 35
332 <210> SEQ ID NO: 22
333 <211> LENGTH: 35
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Synthesized nucleotide V h5H-M69LT73R(-)
340 <400> SEQUENCE: 22
341 tcgaaaatgct gcgatcaacc gtcagggtca ctttg 35
344 <210> SEQ ID NO: 23
345 <211> LENGTH: 30
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Synthesized nucleotide W h5H-I75SS76RA78V(+)

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/16/2006
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Input Set : A:\2006-11-13 4600-0106P.ST251.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1,2,3/
Seq#:2; N Pos. 1,2,3/
Seq#:3; N Pos. 1,2,3/
Seq#:4; N Pos. 1,2,3/
Seq#:5; N Pos. 1,2,3/
Seq#:6; N Pos. 1,2,3/
Seq#:7; N Pos. 1,2,3/
Seq#:8; N Pos. 1,2,3/
Seq#:9; N Pos. 1,2,3/
Seq#:10; N Pos. 1,2,3/
Seq#:11; N Pos. 1,2,3/
Seq#:12; N Pos. 1,2,3/

VERIFICATION SUMMARY

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Input Set : A:\2006-11-13 4600-0106P.ST251.txt

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L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0